Dashboard / My courses / B.Sc. in ICT Program / Semester 2 of 2019 / 1st Year (Freshman) / ITCS209 Object oriented Programming / Quiz / Quiz3 @14:30 - 14:45 (15 minutes)

		Finished
С	-	Friday, 8 May 2020, 2:40 PM
		9 mins 12 secs
	Grade	<b>8.00</b> out of 10.00 ( <b>80</b> %)
uestion	n <b>1</b>	
orrect		
lark 1.0	00 out of 1.00	
oaran	neters (or argu	orts, which is several methods with the same name but different ments).
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paran	neters (or arguet t one:	ments).
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paran	neters (or argu et one: a. Overacting b. Overclockir	ments).
Selection O	neters (or arguet one:  a. Overacting b. Overclocking c. Overriding	ments).
Selec O O O	neters (or arguet one:  a. Overacting b. Overclocking c. Overriding d. Overloading	ments).
Selection O	neters (or arguet one:  a. Overacting b. Overclocking c. Overriding d. Overloading	ments).

Question 2	
Correct	
Mark 1.00 out of 1.00	

```
public class Student extends Person extends Undergraduate{
}

From the class declaration above, is it valid?

Select one:

a. No, Java does NOT support multiple inheritance. ✓

b. Yes, but it will generate some warnings.

c. Yes, multiple inheritance is allowed.

d. Maybe. It depends on the system running it.
```

Your answer is correct.

The correct answer is: No, Java does NOT support multiple inheritance.

```
Question 3
Incorrect
Mark 0.00 out of 1.00
```

```
What is the output of the following source code?
  class A{
      public A() { // constructor
            System.out.print(1);
  }
  class B extends A {
      public B() { // constructor
            super();
            System.out.print(2);
       }
  }
 public class Main {
      public static void main(String[] args) {
            B b = new B();
           A a = new A();
       }
  }
Select one:
O a. 121
O b. 21
O c. 12
d. 112 X
```

Your answer is incorrect.

The correct answer is: 121

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Question <b>4</b> Correct  Mark 1.00 out of 1.00		
Wha	t is the runtime complexity of the bubble sort algorithm?	
Sele	ct one:	
0	a. O(N log N)	
0	b. O(log N)	
0	c. O(N)	
•	d. $O(N^2)$	
Your	answer is correct.	
The	correct answer is: O(N <sup>2</sup> )	
Mark 1	t .	
Mark 1 Wha	t .00 out of 1.00	
Mark 1 Wha	t is runtime complexity of the binary search algorithm?	
Wha	t is runtime complexity of the binary search algorithm?  ct one:	
Wha	t is runtime complexity of the binary search algorithm?  ct one:  a. O(log N)	
Wha	t is runtime complexity of the binary search algorithm?  ct one: a. O(log N) ✓ b. O(N²)	
What Sele	t is runtime complexity of the binary search algorithm?  ct one:  a. O(log N)   b. O(N²)  c. O(N)	
What Sele	t is runtime complexity of the binary search algorithm?  ct one:  a. O(log N)   b. O(N²)  c. O(N)  d. O(N log N)	
What Sele	t is runtime complexity of the binary search algorithm?  ct one: a. O(log N)   b. O(N²) c. O(N) d. O(N log N)  answer is correct.	
What Sele	t is runtime complexity of the binary search algorithm?  ct one: a. O(log N)   b. O(N²) c. O(N) d. O(N log N)  answer is correct.	

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Question <b>6</b> Incorrect			
Mark 0.00 out of 1.00			
An <b>aggregation relationship</b> is used when the relationship between two classes is a(n) relationship.			
Sele	ct one:		
0	a. "USES"		
	b. "PART-OF-A" X		
0	c. "IS-A"		
0	d. "HAS-A"		
Your	answer is incorrect.		
	correct answer is: "HAS-A"		
THE	Soffeet allower is. TIAG-A		
Questic	n <b>7</b>		
Question Correct			
Correct			
Correct			
Correct			
Correct Mark 1	00 out of 1.00  th statement is INCORRECT about interface?		
Correct Mark 1	00 out of 1.00  th statement is INCORRECT about interface?  ct one:		
Correct Mark 1 Whice Sele	on out of 1.00  The statement is INCORRECT about interface?  The tone:  a. A Class can implement only one interface. ✓		
Correct Mark 1 Whice Sele	on out of 1.00  The statement is INCORRECT about interface?  The tone:  a. A Class can implement only one interface. ✓  b. All methods of an Interface are abstract.		
Correct Mark 1 Whice Sele	on out of 1.00  The statement is INCORRECT about interface?  The tone:  a. A Class can implement only one interface. ✓		
Correct Mark 1 Whice Sele	on out of 1.00  The statement is INCORRECT about interface?  To one:  a. A Class can implement only one interface. ✓  b. All methods of an Interface are abstract.  c. An Interface cannot contain constructors.		
Whice Sele	on out of 1.00  The statement is INCORRECT about interface?  To one:  a. A Class can implement only one interface. ✓  b. All methods of an Interface are abstract.  c. An Interface cannot contain constructors.		

```
Question 8
Correct
Mark 1.00 out of 1.00
```

```
What is the output of the program below?
 public class Main {
    public static void main(String[] args) {
        int[] nums = {1, 2, 3, 4};
        try{
            System.out.println(nums[4]);
         } catch(IndexOutOfBoundsException e){
            System.out.println("Index Exception");
        } catch(Exception e) {
            System.out.println("General Exception");
        }
     }
 }
Select one:
a. General Exception
O b. 4
c. Index Exception 
d. Compilation Error
```

Your answer is correct.

The correct answer is: Index Exception

```
Question 9
Correct
Mark 1.00 out of 1.00
```

```
Consider square numbers defined as follows (for positive integers):
```

```
square(1) = 1
square(N) = square(N-1) + 2N -1
```

Which Java method below successfully implements this definition?

## Select one:

```
    a.

int square( int N )

{
    if ( N == 1 )
    {
        return 1;
    }
    else
    {
        return square(N);
    }
}
```

O b.

```
int square( int N )
{
   if ( N < 1 )
   {
      return 1;
   }
   else
   {
      return N*N;
   }
}</pre>
```

O c.

```
int square( int N )
{
   if ( N = 1 )
   {
      return 1;
   }
   else
   {
      return square(N-1) + 2*N - 1;
   }
}

o d.

int square( int N )
   {
   if ( N == 1 )
    {
      return 1;
   }
   else
   {
      return square(N-1) + 2*N - 1;
   }
}
```

## Your answer is correct.

## The correct answer is:

```
int square( int N )
{
   if ( N == 1 )
   {
      return 1;
   }
   else
   {
      return square(N-1) + 2*N - 1;
   }
}
```

Question 10 Correct Mark 1.00 out of 1.00			
	ram?		
Sele	ct one:		
0	a. java.util		
0	b. java.io ✓		
0	c. java.lang		
0	d. All of the mentioned		
Your	answer is correct.		
The	correct answer is: java.io		